

~~SECRET~~  
**CONFIDENTIAL**

13 June 1960

MEMORANDUM FOR THE RECORD

SUBJECT: Trip to [ ] 9 June 1960.

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1. [ ] and I met [ ]  
[ ] to check on progress with their noise  
modulation program and [ ]

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2. [ ] had been working on [ ] for only three  
of four days, and didn't have too much to report. However, he did  
have a diode bridge multiplier wired, and for our benefit went into  
some of the math relating S/N output and input of the multiplier.  
For example, for the audio frequencies of interest, and assuming time  
 $t = \text{one second}$ , noise-to-signal power ratios on the order of 100 can  
be tolerated in each input channel, to yield an output signal-to-noise  
power ratio of 6.

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3. My next trip to [ ] will be made about mid-July 1960.

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